

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 38/00, 39/00, C07K 1/00, 14/00, 17/00, G01N 33/53, 33/567, 33/574		A1	(11) International Publication Number: WO 98/05347 (43) International Publication Date: 12 February 1998 (12.02.98)
(21) International Application Number: PCT/US97/12677		(74) Agent: WHITE, John, P.; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).	
(22) International Filing Date: 18 July 1997 (18.07.97)			
(30) Priority Data: 08/681,219 22 July 1996 (22.07.96)		US	(81) Designated States: AU, CA, JP, MX, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(60) Parent Application or Grant (63) Related by Continuation US Filed on 08/681,219 (CIP) 22 July 1996 (22.07.96)		Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(71) Applicant (for all designated States except US): THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): SATO, Taka-Aki [JP/US]; 1587 Ann Street, Fort Lee, NJ 07024 (US). YANAGISAWA, Junn [JP/JP]; Institute of Molecular and Cellular Bioscience, The University of Tokyo, 1-1-1, Yayoi, Bunkyo-ku, Tokyo 113 (JP).			
(54) Title: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR) DOMAIN AND USES THEREOF			
(57) <u>Abstract</u> <p>This invention provides for a composition capable of inhibiting specific binding between a signal-transducing protein and a cytoplasmic protein. This invention also provides a method of identifying a compound capable of inhibiting specific binding between a signal-transducing protein and a cytoplasmic protein. This invention also provides a method of inhibiting the proliferation of cancer cells. This invention also provides a method of treating cancer with a composition in an amount effective to result in an amount in apoptosis of the cells. This invention also provides a method of inhibiting the proliferation of virally infected cells. This invention also provides for a method of treating a virally-infected subject with a composition in an amount effective to result in apoptosis of the cells. This invention also provides for pharmaceutical compositions.</p>			